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PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR § 1.53(b))

Attorney Docket No.	1488.1220003/EKS/EJH
First Inventor	Li et al.
Title	Human G-Protein Coupled Receptors
Express Mail Label No.	

**APPLICATION ELEMENTS**  
See MPEP chapter 600 concerning utility patent application contents.

**ADDRESS TO:**

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)

2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.

3. ☒ Specification [Total Pages 53]  
(preferred arrangement set forth below)  
- Descriptive title of the Invention  
- Cross Reference to Related Applications  
- Statement Regarding Fed sponsored R & D  
- Reference to sequence listing, a table,  
or a computer program listing appendix  
- Background of the Invention  
- Brief Summary of the Invention  
- Brief Description of the Drawings (if filed)  
- Detailed Description  
- Claim(s)  
- Abstract of the Disclosure

4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 7]

5. Oath or Declaration [Total Pages 1]  
a. ☐ Newly executed (original or copy)  
b. ☒ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)  
i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR §§  
1.63(d)(2) and 1.33(b).

6. ☒ Application Data Sheet. See 37 CFR 1.76.

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program  
(Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)

a. ☒ Computer Readable Form (CRF)

b. Specification Sequence Listing on:

i. ☐ CD-ROM or CD-R (2 copies); or

ii. ☒ paper

c. ☒ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))

10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☒ Power of Attorney  
and one Associate Power of Attorney

11. ☐ English Translation Document (if applicable)

12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS  
Citations

13. ☒ Preliminary Amendment

14. ☒ Two (2) Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)

15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)

16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach  
form PTO/SB/35 or its equivalent.

17. ☒ Other: Authorization under 37 C.F.R. § 1.136(a)(3)

☒ Other: The name of the assignee is: Human Genome Sciences, Inc.

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☒ Continuation ☐ Divisional ☐ Continuation-in-Part (CIP)

Prior application information: Examiner To be assigned

of prior application No: 09/518,383

Group/Art Unit: 1643

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

Customer No. 28730

(Insert Customer No. 28730 Attach bar code label here)

or ☐ Correspondence address below

NAME	STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C. ATTORNEYS AT LAW				
ADDRESS					
CITY		STATE		ZIP CODE	
COUNTRY		TELEPHONE		FAX	

NAME (Print/Type)	Elizabeth J. Haapes, Ph.D.	Registration No. (Attorney/Agent)	42,613
SIGNATURE	<i>Elizabeth J. Haapes</i>	Date	April 9, 2001

Burden Hour Statement: this form is estimated to take 9.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

SKGF Rev 3/29/01 mac

ContAppl\_SB05\_form

## FEE TRANSMITTAL for FY 2001

*Patent fees are subject to annual revision.*

### Complete if Known

Application Number	To be assigned Cont. of 09/518,383
Filing Date	Herewith
First Named Inventor	Yi Li
Examiner Name	To be assigned
Group Art Unit	To be assigned
Attorney Docket No.	1488.1220003/EKS/EJH

TOTAL AMOUNT OF PAYMENT (\$)**1,598.00**

### METHOD OF PAYMENT (check one)

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to:

Deposit Account Number: **19-0036**  
Deposit Account Name: **Sterne, Kessler, Goldstein & Fox P.L.L.C.**

- ☐ Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17

- ☐ Applicant claims small entity status See 37 CFR 1.27

2. ☒ Payment Enclosed:

- ☒ Check ☐ Credit card ☐ Money Order ☒ Other\*

\*Charge any deficiencies or credit any overpayments in the fees or fee calculations of Parts 1, 2 and 3 below to Deposit Account No. 19-0036.

### FEE CALCULATION

#### 1. BASIC FILING FEE

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
101	710	201	355	Utility filing fee	710.00
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	
SUBTOTAL (1) (\$)					710.00

#### 2. EXTRA CLAIM FEES

Extra	Fee from below	Fee Paid
Total Claims <b>56</b> - 20** = <b>36</b>	X <b>18</b>	= <b>648.00</b>
Indep. Claims <b>6</b> - 3** = <b>3</b>	X <b>80</b>	= <b>240.00</b>
Multiple Dependent		=

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim
108	80	208	40	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)**888.00**

\*\* or number previously paid, if greater, For Reissues, see above

### FEE CALCULATION (continued)

#### 3. ADDITIONAL FEES

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	130	123	130	Petitions related to provisional applications	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	481	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify):					
Other fee (specify):					
*Reduced by Basic Filing Fee Paid					
SUBTOTAL (3) (\$)					

### SUBMITTED BY

Name (Print/Type)	Elizabeth J. Haanes, Ph.D.	Registration No. (Attorney/Agent)	42,613	Telephone	202-371-2600
Signature		Date	April 9, 2001		

### Complete (if applicable)

04/09/01  
1055 U.S. PTO

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09/827937  
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April 9, 2001

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Commissioner for Patents  
Washington, D.C. 20231

**Box Patent Application**

Re: U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)  
(Continuation of Appl. No. 09/518,383; Filed: March 3, 2000)  
Appl. No. To be assigned; Filed: Herewith  
For: **Human G-Protein Coupled Receptors**  
Inventors: Li *et al.*  
Our Ref: 1488.1220003/EKS/EJH

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

1. PTO Fee Transmittal (Form PTO/SB/17);
2. Authorization to Treat a Reply As Incorporating An Extension of Time Under 37 C.F.R. § 1.136(a)(3) (*in duplicate*);
3. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
4. Application Data Sheet Under 37 C.F.R. § 1.176;
5. U.S. Utility Patent Application entitled:

**HUMAN G-PROTEIN COUPLED RECEPTORS**

Commissioner for Patents

April 9, 2001

Page 2

and naming as inventors:

Yi LI

Steven M. RUBEN

the application consisting of:

- a. A specification containing:
    - i. 49 pages of description prior to the claims;
    - ii. 3 pages of claims (22 claims);
    - iii. a one (1) page abstract;
  - b. 7 sheets of drawings (Figures: 1A, 1B, 1C, 2, 3A, 3B, and 4);
  - c. 17 pages of a paper copy of a sequence listing;
  - d. A copy of the executed Declaration and Power of Attorney, as originally filed in U.S. Appl. No. 08/852,824;
  - e. A copy of an assignment to Human Genome Sciences, Inc., as recorded at reel: 8968; frame: 0688;
6. A Preliminary Amendment;
  7. A computer readable copy of the sequence listing;
  8. A copy of the Associate Power of Attorney filed on June 3, 1999 in the U.S. Appl. No. 08/852,824, along with the U.S. Patent and Trademark stamped returned postcard;
  9. Two (2) return postcards; and
  10. Our check No. **30906** for \$1,598.00 cover:
    - \$ 710.00 Filing fee for patent application;
    - \$ 888.00 Fee for excess claims.

In accordance with 37 C.F.R. § 1.821(f), the paper copy of the sequence listing and the computer readable copy of the sequence listing submitted herewith in the above application are the same.

Commissioner for Patents

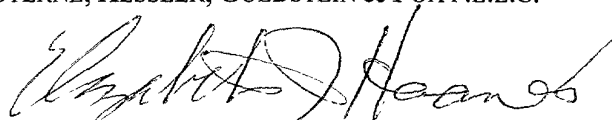
April 9, 2001

Page 3

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036. A duplicate copy of this letter is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Elizabeth J. Haanes, Ph.D.

Agent for Applicants

Registration No. 42,613

EJH/pcd

Encls.

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